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RAW SEQUENCE LISTING DATE: 10/02/2001
PATENT APPLICATION: US/09/884,767A TIME: 09:32:21

Input Set : A:\DYX12seq.txt
Output Set: N:\CRF3\10022001\I884767A.raw

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p.5

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      3 <110> APPLICANT: DYAX Corp.
      4       Ley, Arthur C.
      5       Luneau, Christopher J.
      6       Ladner, Robert C
      8 <120> TITLE OF INVENTION: NOVEL ENTEROKINASE CLEAVAGE SEQUENCES
     10 <130> FILE REFERENCE: DYX-012.1 US, DYX-012.1 PCT
     12 <140> CURRENT APPLICATION NUMBER: 09/884,767A
     13 <141> CURRENT FILING DATE: 2001-06-19
     15 <150> PRIOR APPLICATION NUMBER: US 09/597,321
     16 <151> PRIOR FILING DATE: 2000-06-19
     18 <160> NUMBER OF SEQ ID NOS: 217
     20 <170> SOFTWARE: PatentIn version 3.1
     22 <210> SEQ ID NO: 1
     23 <211> LENGTH: 7
     24 <212> TYPE: PRT
     25 <213> ORGANISM: Artificial Sequence
     27 <220> FEATURE:
     28 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
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     31 <221> NAME/KEY: MISC_FEATURE
     32 <222> LOCATION: (1)..(1)
     33 <223> OTHER INFORMATION: Xaa1 is an optional amino acid which, if present, is Ala,
Asp, Gl
     34       u, Phe, Gly, Ile, Asn, Ser, or Val
     37 <220> FEATURE:
     38 <221> NAME/KEY: MISC_FEATURE
     39 <222> LOCATION: (2)..(2)
     40 <223> OTHER INFORMATION: Xaa2 is an optional amino acid which, if present, is Ala,
Asp, Gl
     41       u, His, Ile, Leu, Met, Gln or Ser
     44 <220> FEATURE:
     45 <221> NAME/KEY: MISC_FEATURE
     46 <222> LOCATION: (3)..(3)
     47 <223> OTHER INFORMATION: Xaa3 is an optional amino acid which, if present, is Asp,
Glu, Ph
     48       e, His, Ile, Met, Asn, Pro, Val, or Trp
     51 <220> FEATURE:
     52 <221> NAME/KEY: MISC_FEATURE
     53 <222> LOCATION: (4)..(4)
     54 <223> OTHER INFORMATION: Xaa4 is Ala, Asp, Glu, or Thr
     57 <220> FEATURE:
     58 <221> NAME/KEY: MISC_FEATURE
     59 <222> LOCATION: (7)..(7)
     60 <223> OTHER INFORMATION: Xaa7 is any amino acid
     63 <400> SEQUENCE: 1
W--> 65 Xaa Xaa Xaa Xaa Asp Arg Xaa
     66 1               5
     69 <210> SEQ ID NO: 2
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70 <211> LENGTH: 7
71 <212> TYPE: PRT

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     74 <220> FEATURE:
     75 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
     77 <220> FEATURE:
     78 <221> NAME/KEY: MISC_FEATURE
     79 <222> LOCATION: (1)..(1)
     80 <223> OTHER INFORMATION: Xaal is an optional amino acid which, if present, is Asp or
Glu
     83 <220> FEATURE:
     84 <221> NAME/KEY: MISC_FEATURE
     85 <222> LOCATION: (2)..(2)
     86 <223> OTHER INFORMATION: Xaa2 is an optional amino acid which, if present, is Val
     89 <220> FEATURE:
     90 <221> NAME/KEY: MISC_FEATURE
     91 <222> LOCATION: (3)..(3)
     92 <223> OTHER INFORMATION: Xaa3 is an optional amino acid which, if present, is Tyr
     95 <220> FEATURE:
     96 <221> NAME/KEY: MISC_FEATURE
     97 <222> LOCATION: (4)..(4)
     98 <223> OTHER INFORMATION: Xaa4 is Asp, Glu or Ser
    101 <220> FEATURE:
    102 <221> NAME/KEY: MISC_FEATURE
    103 <222> LOCATION: (7)..(7)
    104 <223> OTHER INFORMATION: Xaa7 is any amino acid
    107 <400> SEQUENCE: 2
W--> 109 Xaa Xaa Xaa Xaa Glu Arg Xaa
    110 1               5
    113 <210> SEQ ID NO: 3
    114 <211> LENGTH: 7
    115 <212> TYPE: PRT
    116 <213> ORGANISM: Artificial Sequence
    118 <220> FEATURE:
    119 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
    121 <220> FEATURE:
    122 <221> NAME/KEY: MISC_FEATURE
    123 <222> LOCATION: (7)..(7)
    124 <223> OTHER INFORMATION: Xaa is any amino acid
    127 <400> SEQUENCE: 3
W--> 129 Asp Ile Asn Asp Asp Arg Xaa
    130 1               5
    133 <210> SEQ ID NO: 4
    134 <211> LENGTH: 7
    135 <212> TYPE: PRT
    136 <213> ORGANISM: Artificial Sequence
    138 <220> FEATURE:
    139 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
    141 <220> FEATURE:
    142 <221> NAME/KEY: MISC_FEATURE
    143 <222> LOCATION: (7)..(7)
    144 <223> OTHER INFORMATION: Xaa is any amino acid
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Input Set : A:\DYX12seq.txt
Output Set: N:\CRF3\10022001\I884767A.raw

147 <400> SEQUENCE: 4
W--> 149 Gly Asn Tyr Thr Asp Arg Xaa
150 1 5
153 <210> SEQ ID NO: 5
154 <211> LENGTH: 6
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: streptavidin binding sequence
161 <400> SEQUENCE: 5
163 Cys His Pro Gln Phe Cys
164 1 5
167 <210> SEQ ID NO: 6
168 <211> LENGTH: 4
169 <212> TYPE: PRT
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: streptavidin binding sequence
175 <400> SEQUENCE: 6
177 His Pro Gln Phe
178 1
181 <210> SEQ ID NO: 7
182 <211> LENGTH: 9
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: streptavidin binding sequence
189 <400> SEQUENCE: 7
191 Cys His Pro Gln Phe Cys Ser Trp Arg
192 1 5
195 <210> SEQ ID NO: 8
196 <211> LENGTH: 6
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
203 <220> FEATURE:
204 <221> NAME/KEY: MISC_FEATURE
205 <222> LOCATION: (6)..(6)
206 <223> OTHER INFORMATION: Xaa is Ile (natural trypsinogen site) or any amino acid
(syntheti
207 c cleavage sites)
210 <400> SEQUENCE: 8
W--> 212 Asp Asp Asp Asp Lys Xaa
213 1 5
216 <210> SEQ ID NO: 9
217 <211> LENGTH: 86
218 <212> TYPE: PRT
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:

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Input Set : A:\DYX12seq.txt
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222 <223> OTHER INFORMATION: exogenous display polypeptide of a phage display library
224 <220> FEATURE:
225 <221> NAME/KEY: MISC_FEATURE
226 <222> LOCATION: (43)..(55)
227 <223> OTHER INFORMATION: X is any amino acid except Cys
230 <400> SEQUENCE: 9
232 Ala Glu Trp His Pro Gln Phe Ser Ser Pro Ser Ala Ser Arg Pro Ser
233 1               5                  10                  15
236 Glu Gly Pro Cys His Pro Gln Phe Pro Arg Cys Tyr Ile Glu Asn Leu
237             20                  25                  30
W--> 240 Asp Glu Phe Arg Pro Gly Gly Ser Gly Gly Xaa Xaa Xaa Xaa Xaa Xaa
241         35                  40                  45
W--> 244 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly Ala Gln Ser Asp Gly Gly Gly Ser
245     50                  55                  60
248 Thr Glu His Ala Glu Gly Gly Ser Ala Asp Pro Ser Tyr Ile Glu Gly
249 65                  70                  75                  80
252 Arg Ile Val Gly Ser Ala
253                 85
256 <210> SEQ ID NO: 10
257 <211> LENGTH: 7
258 <212> TYPE: PRT
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
264 <400> SEQUENCE: 10
266 Tyr Glu Trp Gln Asp Arg Thr
267 1               5
270 <210> SEQ ID NO: 11
271 <211> LENGTH: 7
272 <212> TYPE: PRT
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
278 <400> SEQUENCE: 11
280 Asn Ser Ile Lys Asp Arg Val
281 1               5
284 <210> SEQ ID NO: 12
285 <211> LENGTH: 7
286 <212> TYPE: PRT
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
292 <400> SEQUENCE: 12
294 Ala Lys Ala Thr Glu Arg His
295 1               5
298 <210> SEQ ID NO: 13
299 <211> LENGTH: 7
300 <212> TYPE: PRT
301 <213> ORGANISM: Artificial Sequence
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PATENT APPLICATION: US/09/884,767A TIME: 09:32:21

Input Set : A:\DYX12seq.txt
Output Set: N:\CRF3\10022001\I884767A.raw

303 <220> FEATURE:
304 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
306 <400> SEQUENCE: 13
308 Leu Gly Lys Val Asp Arg Thr
309 1 5
312 <210> SEQ ID NO: 14
313 <211> LENGTH: 7
314 <212> TYPE: PRT
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
320 <400> SEQUENCE: 14
322 Gly Gly Met Ala Asp Lys Phe
323 1 5
326 <210> SEQ ID NO: 15
327 <211> LENGTH: 7
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
334 <400> SEQUENCE: 15
336 Gly His Trp Leu Asp Lys Asn
337 1 5
340 <210> SEQ ID NO: 16
341 <211> LENGTH: 7
342 <212> TYPE: PRT
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
348 <400> SEQUENCE: 16
350 Asn Lys Ala Lys Asp Arg Met
351 1 5
354 <210> SEQ ID NO: 17
355 <211> LENGTH: 7
356 <212> TYPE: PRT
357 <213> ORGANISM: Artificial Sequence
359 <220> FEATURE:
360 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
362 <400> SEQUENCE: 17
364 Ser Glu Asn Phe Asp Lys Asn
365 1 5
368 <210> SEQ ID NO: 18
369 <211> LENGTH: 7
370 <212> TYPE: PRT
371 <213> ORGANISM: Artificial Sequence
373 <220> FEATURE:
374 <223> OTHER INFORMATION: synthetic enterokinase cleavage sequence
376 <400> SEQUENCE: 18
378 Leu Asp Trp Glu Asp Arg Ala

VERIFICATION SUMMARY DATE: 10/02/2001
PATENT APPLICATION: **US/09/884,767A** TIME: 09:32:22

Input Set : **A:\DYX12seq.txt**
Output Set: **N:\CRF3\10022001\I884767A.raw**

L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:2988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204
L:3008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205
L:3055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206
L:3099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207